TRANSHEIGHT
PAVING FUTURE

TRANSHEIGHT CONSULTANTS PVT LTD
#1192,'A'Block,3rdCross, 5th Main,
Sahakarnagar,Bangalore-560092
098869 13195,080236 29195

Name of work: Improvements to Roads and drains at Basavalingappa Badavane and Rajiv Gandhinagara and Chikkabettnahalli in ward no-03 of Yelhanka Satellite Town Sub Division.

Test Reults of Bitumen Binder Content and Gradation for Bituminous Concrete (BC)

IS 2386 (Part-1) 1963 (Reaffirmed-2011)	Date: 01.07.2022
Lab I'd	ISO/IEC17025:2005
Client	Bruhat Bengalore Mahanagara Palike (BBMP) ,Byatarayanapura,Bengaluru.
Consultant	Transheight Consultants Private Limited
Contractor	Sr. J Girish
Source of Sample	Sample supplied by Agency
Type of Mix	Bituminous Concrete (BC)
Date of Test	01.07.2022

	Chainage:		
	Trial 1	**Trial 2**	**Trial 3**
Wt of empty Bowl (g)	1031	1031	1032
Wt of empty Bowl + Mix before extraction (g)	1531	1531	1532
Wt of empty Bowl + Mix after extraction (g)	1505.2	1505.1	1505.9
Wt of filter paper before extraction (g)	3.5	6	3.5
Wt of filter paper after extraction (g)	5.32	5.51	5.32
Wt of fines (g)	1.82	-0.49	1.82
Wt of aggrigate (g)	476.03	473.63	475.67
Wt of bitumin (g)	25.79	25.88	26.15
% binder contents in mix	5.42	5.46	5.50
Avg binder contents in mix (%)	5.46		

Remarks : Satisfactory

Client

Contractor

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Test Results of Bitumen Binder Content and Gradation for Bituminous Concrete (BC)

Date: 01.07.2022

After Extraction (Trial-1)

Total wt of the sample (gms): 476.03

IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per MORTH (Grading-II)	Remarks
19	0	0	0.0	100	100	Satisfactory
13.2	14	14	2.9	97.1	90-100	Satisfactory
9.5	95	109	22.9	77.1	70-88	Satisfactory
4.75	112	221	46.4	53.6	53-71	Satisfactory
2.36	48	269	56.5	43.5	42-56	Satisfactory
1.18	35	304	63.9	36.1	34-48	Satisfactory
0.6	42	346	72.7	27.3	26-38	Satisfactory
0.3	32	378	79.4	20.6	18-28	Satisfactory
0.15	22	400	84.0	16.0	12-20	Satisfactory
0.075	41	441	92.6	7.4	4-10	Satisfactory

Remarks: Satisfactory

After Extraction (Trial-2)

Total wt of the sample (gms): 473.63

IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per MORTH (Grading-II)	Remarks
19	0	0	0.0	100	100	Satisfactory
13.2	7	7	1.5	98.5	90-100	Satisfactory
9.5	93	100	21.0	79.0	70-88	Satisfactory
4.75	108	208	43.7	56.3	53-71	Satisfactory
2.36	53	261	54.8	45.2	42-56	Satisfactory
1.18	31	292	61.3	38.7	34-48	Satisfactory
0.6	46	338	71.0	29.0	26-38	Satisfactory
0.3	41	379	79.6	20.4	18-28	Satisfactory
0.15	35	414	87.0	13.0	12-20	Satisfactory
0.075	42	456	95.8	4.2	4-10	Satisfactory

Remarks: Satisfactory

After Extraction (Trial-3)

Total wt of the sample (gms): 475.67

IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per MORTH (Grading-II)	Remarks
19	0	0	0.0	100	100	Satisfactory
13.2	8	8	1.7	98.3	90-100	Satisfactory
9.5	93	101	21.2	78.8	70-88	Satisfactory
4.75	110	211	44.3	55.7	53-71	Satisfactory
2.36	46	257	54.0	46.0	42-56	Satisfactory
1.18	43	300	63.0	37.0	34-48	Satisfactory
0.6	45	345	72.5	27.5	26-38	Satisfactory
0.3	33	378	79.4	20.6	18-28	Satisfactory
0.15	25	403	84.7	15.3	12-20	Satisfactory
0.075	36	439	92.2	7.8	4-10	Satisfactory

Remarks: Satisfactory

Transheight Consultants Pvt. Ltd. Bangalore

Client

Girish P
Contractor

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Name of work: Improvements to Roads and drains at Basavalingappa Badavane and Rajiv Gandhinagara and Chikkabettnahalli in ward no-03 of Yelhanka Satellite Town Sub Division.

Test Reults of Bitumen Binder Content and Gradation for Bituminous Macadam (BM-II)

IS 2386 (Part-1) 1963 (Reaffirmed-2011)	**Date: 20.06.2022**
Lab I'd	**ISO/IEC17025:2005**
Client	**Bruhat Bengalore Mahanagara Palike (BBMP) ,Bengaluru.**
Consultant	**Transheight Consultants Private Limited**
Contractor	**Sr. J.Girish**
Source of Sample	**Sample supplied by Agency**
Type of Mix	**Bituminous Macadam (BM-II)**
Date of Test	**20.06.2022**

Calculation

	Chainage:		
	Trial 1	**Trial 2**	**Trial 3**
Wt of empty Bowl (g)	1031	1032	1030
Wt of empty Bowl + Mix before extraction (g)	1556	1562	1545
Wt of empty Bowl + Mix after extraction (g)	1538	1532.0	1535
Wt of filter paper before extraction (g)	3.5	3.5	3.5
Wt of filter paper after extraction (g)	5.25	5.32	5.28
Wt of fines (g)	1.75	1.82	1.78
Wt of aggrigate (g)	508.75	501.82	506.78
Wt of bitumin (g)	18	30	10
% binder contents in mix	3.54	5.98	1.97
Avg binder contents in mix (%)	**3.83**		
Remarks			

TMC **Client** Girish **Contractor**

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Test Reults of Bitumen Binder Content and Gradation for Bituminous Macadam (BM-II)

20.06.2022

After Extraction (Trial-1)

Total wt of the sample (gms):			508.75			
IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per MORTH (Grading-II)	Remarks
26.5	0	0	0.0	100	100	Satisfactory
19	9	9	1.8	98.2	90-100	Satisfactory
13.2	65	74	14.5	85.5	56-88	Satisfactory
4.75	285	359	70.6	29.4	16-36	Satisfactory
2.36	62	421	82.8	17.2	4-19	Satisfactory
0.3	77	498	97.9	2.1	2-10	Satisfactory
0.075	10	508	99.9	0.1	0-8	Satisfactory

Remarks: Satisfactory

After Extraction (Trial-2)

Total wt of the sample (gms):			501.82			
IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per MORTH (Grading-II)	Remarks
26.5	0	0	0.0	100	100	Satisfactory
19	11	11	2.2	97.8	90-100	Satisfactory
13.2	75	86	16.9	83.1	56-88	Satisfactory
4.75	315	401	78.8	21.2	16-36	Satisfactory
2.36	62	463	91.0	9.0	4-19	Satisfactory
0.3	31	494	97.1	2.9	2-10	Satisfactory
0.075	7	501	98.5	1.5	0-8	Satisfactory

Remarks: Satisfactory

After Extraction (Trial-3)

Total wt of the sample (gms):			506.78			
IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per MORTH (Grading-II)	Remarks
26.5	0	0	0.0	100	100	Satisfactory
19	10	10	2.0	98.0	90-100	Satisfactory
13.2	81	91	17.9	82.1	56-88	Satisfactory
4.75	335	426	83.7	16.3	16-36	Satisfactory
2.36	39	465	91.4	8.6	4-19	Satisfactory
0.3	32	497	97.7	2.3	2-10	Satisfactory
0.075	9	506	99.5	0.5	0-8	Satisfactory

Remarks: Satisfactory

PMC | Client | Contractor

Girish.

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Name of work: Improvements to Roads and drains at Basavalingappa Badavane and Rajiv Gandhinagara and Chikkabettnahalli in ward no-03 of Yelhanka Satellite Town Sub Division.				
Test Reults of Bitumen Binder Content and Gradation for Bituminous Macadam (BM-II)				
IS 2386 (Part-1) 1963 (Reaffirmed-2011)			**Date: 21.06.2022**	
Lab I'd	**ISO/IEC17025:2005**			
Client	**Bruhat Bengalore Mahanagara Palike (BBMP) ,Bengaluru.**			
Consultant	**Transheight Consultants Private Limited**			
Contractor	**Sr. J.Girish**			
Source of Sample	**Sample supplied by Agency**			
Type of Mix	**Bituminous Macadam (BM-II)**			
Date of Test	**21.06.2022**			
Calculation				
	Chainage:			
	Trial 1	**Trial 2**	**Trial 3**	
Wt of empty Bowl (g)	1031	1032	1030	
Wt of empty Bowl + Mix before extraction (g)	1531	1532	1530	
Wt of empty Bowl + Mix after extraction (g)	1514.3	1515.2	1513.4	
Wt of filter paper before extraction (g)	3.5	3.5	3.5	
Wt of filter paper after extraction (g)	5.25	5.32	5.28	
Wt of fines (g)	1.75	1.82	1.78	
Wt of aggrigate (g)	485.05	484.97	485.18	
Wt of bitumin (g)	16.7	16.85	16.6	
% binder contents in mix	3.44	3.47	3.42	
Avg binder contents in mix (%)	3.45			
Remarks :				
			Client	**Contractor**

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Test Reults of Bitumen Binder Content and Gradation for Bituminous Macadam (BM-II)

21.06.2022

After Extraction (Trial-1)

Total wt of the sample (gms):			485.05			
IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per MORTH (Table 500-17) (Grading-II)	Remarks
26.5	0	0	0.0	100	100	Satisfactory
19	11	11	2.3	97.7	90-100	Satisfactory
13.2	65	76	15.7	84.3	56-88	Satisfactory
4.75	288	364	75.0	25.0	16-36	Satisfactory
2.36	49	413	85.1	14.9	4-19	Satisfactory
0.3	63	476	98.1	1.9	2-10	Satisfactory
0.075	9	485	100.0	0.0	0-8	Satisfactory

Remarks: Satisfactory

After Extraction (Trial-2)

Total wt of the sample (gms):			484.97			
IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per MORTH (Table 500-23) (Grading-II)	Remarks
26.5	0	0	0.0	100	100	Satisfactory
19	10	10	2.1	97.9	90-100	Satisfactory
13.2	73	83	17.1	82.9	56-88	Satisfactory
4.75	315	398	82.1	17.9	16-36	Satisfactory
2.36	48	446	91.9	8.1	4-19	Satisfactory
0.3	31	477	98.3	1.7	2-10	Satisfactory
0.075	8	485	100.0	0.0	0-8	Satisfactory

Remarks: Satisfactory

After Extraction (Trial-3)

Total wt of the sample (gms):			485.18			
IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per MORTH (Table 500-23) (Grading-II)	Remarks
26.5	0	0	0.0	100	100	Satisfactory
19	10	10	2.1	97.9	90-100	Satisfactory
13.2	78	88	18.1	81.9	56-88	Satisfactory
4.75	305	393	81.0	19.0	16-36	Satisfactory
2.36	48	441	90.9	9.1	4-19	Satisfactory
0.3	35	476	98.1	1.9	2-10	Satisfactory
0.075	9	485	100.0	0.0	0-8	Satisfactory

Remarks: Satisfactory

Transheight Consultants Pvt Ltd
PMC

Client

Girish P
Contractor

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